

Data on the Reproduction and Development of
Some Fish Species Inhabiting the South Kurile
Islands Regions, by I. I. Kazanova, 14 pp.
RUSSIAN, per. Issledovaniya Dal'nevostochnykh
Morey SSSR, No VI, 1959, pp 132-140.
Dept of Navy NOO tr 308

Sci-Earth Sci and Ocean
Oct 67

340,806

The Flora of Supralittoral of U. Shikotan, by
O. S. Strelkova.

RUSSIAN, per, Issled. Dal'nnev. Morey SSSR,
No 6, 1959, pp 141-145.

Dept of Navy/2N00 tr 5327

Sci/BQM

May 67

322,548

List of Marine Algae of Southern Sakhalin and
the Southern Kurile Islands, by Z. D. Zinova,
RUSSIAN, per, Issledovaniya Dal'nevostochnykh
Morey SSSR, No 6, 1959, pp 146-151.

Dept of Interior

Fish and Wildlife Service

BCF, Bureau of Foreign Fisheries

Sci-B&M

Jul 67

352,980

Phytoplankton Composition on the Sea Water of
Southern Sakhalin and the Southern Kurile Is-
lands, by I. A. Kiselev.
RUSSIAN, per, Issled Dal'nevostochnykh Morey,
Vol VI, 1959, pp 162-172.
Dept of Navy/NOO Tr 311

Sci-Ear Sci
Aug 67

338,156

List of Fauna Inhabiting the Sea Water of
Southern Sakhalin and the Southern Islands
of Kurile, by G. U. Lindberg.
RUSSIAN, per. Issled Dal'nevostochnykh Morey,
Vol VI, 1959, pp 173-256.
Dept of Navy/ N00 Tr 312

Sci-Ear Sci
Aug 67

338,157

Litoral Zone of the Southeastern Coast of Kamchatka,
by N. N. Spasskiy.

RUSSIAN, per, Issledovaniya Dal'nevostochnykh Morey
SSSR, Zoologicheskiiy Institut, Vol 7, 1961,
pp 261-331.

*Dept of Navy N00 Trans 552

July 71

(DC-3901.)

Investigation of Ancient Mayan Manuscripts With
the Aid of an Electronic Computer. Preliminary
Results, by E. V. Yevreinov, Yu. G. Kosarev,
V. A. Ustinov, 22 pp.

RUSSIAN, brochure, Issledovaniye Drevnikh Rukopisey
Mayya s Pomoshch'yu Elektronnoy Vychislitel'noi
Mashiny, 1961, pp 1-65.

JPRS 10508

173, 646

Sci - Misc
Machine Translation
Nov 61

Investigation of Space Vehicle Motion in the
Atmosphere, by D. Ye. Okhotnikov.
RUSSIAN, bk. Issledovaniye Dvizheniya Kosmicheskikh
Apparatov v Atmosfere, Moscow, 1963, 25 pp.
NACA TT F-9389

Sci-Aero
Jun 64

281,114

Broadening and Displacement of Spectral Lines in a
Gas Discharge Plasma, by M. A. Mazing,
S. L. Mandel'shtam, et al.
RUSSIAN, *ppr*, *pk* Issledovaniya po Eksp. i Teoret. Fiz.
1990.
*Navy/APL 3515

Sci-Phys
Mar 65

Study of the Temperature Dependence of Raman
Line Widths, by P. A. Bazhulin, A. I. Sokolovskaya.

RUSSIAN, bk, Issledovaniye po Eksperimental'noy i
Teoreticheskoy Fiziki, 1959, pp 56-61.

*Navy/APL 240

Sci - Phys
Aug 63

A Medium with a Negative Absorption Factor, by
F. A. Butayeva, V. A. Febrilant, 15 pp.

RUSSIAN, bk, Issledovaniya po Eksperimental'noy
i Teoreticheskoj Fizike, Sbornik, Moscow, 1959,
pp 62-70. 9666839

FTD-IT-~~XXXXXXXX~~ 62-1114

Sci - Phys
Nov 62

216,892

The Broadening and Displacement of Spectral
Lines in a Gas-Discharge Plasma,
by M. A. Mazing, S. L. Mandel'shtan.
RUSSIAN, bk, Issledovaniya po Eksperimental'
noi Teoreticheskoi Fiziki, Moscow, 1959,
pp 128-133.
Dept of Navy 4531/APL/JHU T-1687

Sci - Phys
Mar 66

296
297,796

Quantum Mechanical Theory of Raman Line
Intensities, by I. I. Sobel'man.

RUSSIAN, bk, Issledovaniye po Eksperimental'noy
i Teoreticheskoy Fiziki, 1959, pp 192-210.

*Navy/APL 241

88g 63Phys

Dependence of Raman Line Widths on the Anisotropy of
the Derived Polarizability Tensor, by M. M.
Sushchinskiy.

RUSSIAN, bk, Issledovaniye po Eksperimental'noy i
Teoreticheskoy Fiziki, 1959, pp 211-217.

*Navy/APL 242

Sci - Phys
Aug 63

Study of the Raman Spectrum of Solutions of H_2O_2 -
 H_2O and H_2O_2 - Dioxane, by S. A. Ukholin, M. Z. Promina.
RUSSIAN, bk, Issledovanie po Eksperimental'noi i
Teoreticheskoy Fiziki, 1959, pp 244-253.
Navy 4014/APL T-1190

Sci-Phys
Feb 65

274,2022

The Fine Structure of Rayleigh Scattering Lines
of Light in Gases, by I. L. Fabelinskiy.
RUSSIAN, per, Ak Nauk SSSR, Issled. Eskip. Teor.
Fiz, Fiz. Inst., 1959, pp 254-260. P911045866
AEC UCRL-tr-10053

Sci/Physics
Oct 66

309,500

Excitation of Spectral Lines in the Negative
Luminescence of a Gas Discharge, by S. E. Frish,
I. P. Bogdanova.

RUSSIAN, bk, Issledovaniye po Eksperimental'noy i
Teoreticheskoy Fiziki, 1959, pp 275-286.

*Navy/APL 244

Sci - Phys

Aug 63

Studying Electric and Optical Properties of Argon
Instabilized Arc, by A. Ye. Sheynelin; E.I. Asinovsky.
RUSSIAN, rpt, Issledovaniya Elektricheskikh i
Opticheskikh Svoystv Argona v Stabilizirovannoy Duge,
1963, pp 1-10.

~~FTD MT-65-100~~

FTD TT-65-1236
AD 627 007

USSR
Sci/Electronics
Apr 63

Investigation of the Electrochemical and Corrosion
Behavior of 1Cr18Ni9Ti Stainless Steel in Water of
Various Compositions, by V. V. Gerasimov, V. I.
Aleksandrova, A. I. Gromova, 16 pp.

RUSSIAN, bk, Issledovanie Elektrokhimicheskogo i
Korroziionnogo Povedeniya Nerzhavayushchey Stali
1Kh18Ni9Ti v Vode Razlichnogo Sostavu, 1960. 9093910

AEC Tr-4683

Sci - Chem
Dec 61

177, 294

Research in Electron Theory of Crystals, by S. I.
Pekar. 240 pp.

RUSSIAN, bk, Issledovaniya po Elektronnoi Teorii Kristallov, Gosudarstvennoe Izdatel'stvo Tekhniko-Teoreticheskoi Literatury, Moskow, 1951, 256 pp.

*AEC-TR-5575
6

Sci - Electron,
Phys
25 Sep 62

Bibliography, by S. I. Pekar, 4 pp. UNCLASSIFIED.

RUSSIAN, bk, Issledovaniya po elektronnoi teorii
kristallov, Moscow Leningrad, Gostekhizdat, 1951.

Air Res and Dev Command

Scientific - Physics

17,867

Investigations of the Electron Theory of
Crystals, Chapter I, by S. I. Pekar, 35 pp.

RUSSIAN, ~~W~~ ^W ~~A~~, Issledovaniya po Elektronnoi
Teorii Kristallov, Moscow, 1951, pp 5-37.

Air Res and
Dev Command

Scientific - Physics

CTS/DEX

13,522

Research in Electron Theory of Crystals, by S. I.
Pekar. 240 pp.

RUSSIAN, bk, Issledovaniya po Elektronnoi Teorii
Kristallov, Moscow, 1951.

AEC-Tr-55875

Sci - Electr

Aug 63

34,582

The Theory of Polarons With a Classical
Examination of the Mobility of the Ions of a
Crystal, by S. I. Pekar, 72 pp.

RUSSIAN, bk, Issledovaniya po elektronnoi
teoriy kristallov, Moscow, 1951, pp 38-81.

Air Res and Dev Command
~~Trans~~ T-163 R

Scientific - Physics
Jan 56 CTS

30,237

Investigation of the Energy Spectra of a Conical
Electrode Plasma Source, by A. A. Kalmykov,
V. I. Terezhin, et al.
RUSSIAN, rpt, Issledovanie Energeticheskikh Spektrov
Konicheskogo Elektrodnogo Istochnika Plazmy,
1968.
*AEC

Sci-Phys
Jun 64

Investigation of Plasma Energy Losses
in the Toroidal Chamber "Tokamak TM-2",
by L. L. Gorelik, K. A. Razumova, et al.
RUSSIAN, rpt, Issledovanie Energeticheskikh
Poter' i Ustoichivosti Plazmy v
Toroidal'noi Kamere Tokamak TM-2,
Culham Conference paper, CN-21/247b.
10 p.
*AEC

Sci-Phys
Jan 66

Aleksanyan, V. T., Sterin, Kh. E., Liberman, A. L.,
Kuznetsova, I. M., and Tyun'kina, N. I.

THE POSSIBILITY OF DETERMINING THE CON-
FIGURATION OF STEREOISOMERIC DIALKYLCYCLO-
HEXANES FROM THEIR RAMAN SPECTRA

B. W. Kuvshinov, tr. 26 Nov 63, 13p 16refs

APL/JHU TG 230-T414

Contract N0w 62-0604-c

Order from OTS \$0.50

TT-64-11533

Trans. from mono. Issledovaniya po Experimental'noi
i Teoreticheskoi Fiziki, Pamyati G. S. Landsberga
(Studies in Experimental and Theoretical Physics;
Memorial to G. S. Landsberg) Moscow, 1959.
(Abstract available) *Ap 43-52.*

DESCRIPTORS: *Cyclohexanes, Molecular structure,
*Stereochemistry, Line spectrum, *Raman
spectroscopy

(Physics--Spectroscopy, TT, v. 11, no. 7)

TT-64-11533

- I. Title: Diakyl
cyclohexanes
- I. Aleksanyan, V. T.
- II. Sterin, Kh. E.
- III. Liberman, A. L.
- IV. Kuznetsova, I. M.
- V. Tyun'kina, N. I.
- VI. Title: Studies...
- VII. APL/JHU-TG-230-T414
- VIII. Applied Physics Lab.,
Johns Hopkins Univ.,
Silver Spring, Md.
- IX. Contract N0w-62-0604-c

Office of Technical Services

Studies of Marine Fauna: Biological Report of
the Soviet Antarctic Expedition (1955-1958)

322 pp.

RUSSIAN, mono. Issledovaniya Fauny Morsk:

Rezultaty Biologicheskikh Issledovaniy

Sovetskoi Antarkticheskoi Ekspeditsii

(1955-1958), Vol 1, Moscow/Leningrad, 1962.

CFSKI TT-66-51061

324,290

Sci - Biological and Medical Sciences

Apr 67

Explorations of the Fauna of the Seas, II (X).
Biological Results of the Soviet Antarctic
Expedition (1955-1958), 435 pp.
RUSSIAN, bk, Issledovaniya Fauny Morei II (X).
Rezul'taty Biologicheskikh Issledovaniy
Sovetskoi Antarkticheskoi Ekspeditsii
(1955-1958 gg), Vol II, 1964.
*CFSTI TT 66-51062

USSR
Sci/Earth Sci
Jan 66

On the New Formula of the Intensity of Radiation
and New Characteristics of the Transparency of
the Air, by Kh. Nyurk, 8 pp.

RUSSIAN, bk, Issledovaniya po Fiz Atmosfery,
Ak Nauk Estonakoy SSR, Inst Fiz i Astron.
No 1, 1959, pp 7-14. 9683271

FTD-TT-63-178

Sci-Phys
Jun 63

234,521

Nikisk, Khel'gi.

COMPUTING ATMOSPHERIC INFRA-RED RADIATIVE
FLUXES (K Voprosu o Raschetakh Teplovogo Izluche-
niya Atmosfery). [1963] [98]p. (foreign text included)
19 refs.

Order from OTS or SLA \$8.60

63-10937

Trans. of [Issledovaniya po Fizike Atmosfery]
(Estonian SSR) 1960, v. 2, p. 67-114.

DESCRIPTORS: *Infrared radiation, *Thermal radiation,
Fluxes, *Atmosphere, Troposphere, Temperature,
*Heat transfer, Maps, Functions, *Correlation tech-
niques.

At the present time three methods are available for
computing radiative fluxes in the atmosphere: theoreti-
cal formulas, empirical formulas and graphical
methods. Inasmuch as empirical formulas are repre-
sentative only for average atmospheric conditions and
(Earth Sciences--Atmosphere, TT, v. 10, no. 2)

(over)

63-10937

I. Nikisk, K.

Office of Technical Services

Diffuse Reflection and Transmission of
Light in the Case of a Rough Surface
Separating Two Isotropic Media, by
Ju. Mullamaa.

RUSSIAN, per, Issled. Po Fiz Atmos,
1962, No 3, pp 5-22.
NLL 9022.55 1964 (8) (On Loan)

Aug 65

287,013

The Spectral Distribution of Direct and Diffuse
Solar Radiation, by O. Ayast, et al.

RUSSIAN, per, Issled. po Fiz. Atmos., 1962,

No 3, pp 23-71.

NLL 9022.55 1964 (9) (On Loan)

Aug 65

287,151

Approximate Solution of Radiative Transfer Problem
in Case of Anisotropic Scattering, by O. Avaste.
RUSSIAN, kkk, Issledovaniya po Fizike Atmosfery,
No 3, 1962, pp 72-83.
NASA TT F-9141

11/10/64

Sci-Phys
Dec 64

U.S. GOVERNMENT ONLY

269,962

On the Determination of the Intensity of
Infrared Radiation in the Atmosphere,
by H. Nijlisk.
RUSSIAN, Issled Po Fizike Atmos, 1962, No 3,
pp 85-103.
NLL 9022.55 1964 (11) (On Loan)

Aug 65

287,161

On Distinguishing Features of Variability of
Daily Totals of Direct Solar Radiation (On the
Basis of Observations at Tartu), by I. Undla.
RUSSIAN, per, Issled. Po Fizike Atmos, 1962,
No 3, pp 110-135.
NLL 9022.55 1964 (12) (On Loan)

Aug 65

287,166

On the Distribution of Diffuse Radiation Over
the Sky, by V Pyldmaa.

RUSSIAN, per, Issled po Fiz. Atmos., 1963,
No 4, pp 111-119.

NLL 9022.551 1964 (252) (On Loan)

Aug 65

287,163

Reznyakov, A. B.
COMBUSTION OF A JET OF PULVERIZED COAL.
[1963] [19p] 15rubs C. E. Trans. 2655.
Order from OTS, SLA, or ETC \$1.60 TT-63-24578

Trans. of mono. Isaled[ovaniya] Fiz[icheskikh] Osnov
Rabochego Protsessa Topok i Pechei [Investigation of
the Physical Principles of Operation of Furnaces and
Kilns] Alma-Ata, 1957, p. 361-379.

NLL 9022.09 1963 2655

TT-63-24578

- I. Reznyakov, A. B.
- II. Title: Investigation...
- III. CE Trans-2655
- IV. Central Electricity
Generating Board,
London (England)

(Materials--Fuels, TT, v. 11, no. 12)

Office of Technical Services

Research in Physics of High Energy Particles at
Synchrocyclotron of the Laboratory of Nuclear Problems
of the Joint Institute for Nuclear Research, by V. P.
Dzhelepov, B. M. Pontecorvo, ~~88~~ pp.

RUSSIAN, bk, Issledovaniya po Fizike chastits vysokikh
energii na singhrotsiklotrone Laboratoriia Yadernykh
Problem Ob'edinennogo Instituta Yadernykh Issledovani.
1957, ~~88~~ pp.

*AEC

Sci - Nuc Phys

Dec 58

Investigations in the Physics of Coarse-Dispersed
Aerosols, by L. M. Levin. 216 pp.
RUSSIAN, bk, Issledovaniya Po Fizike Grubo-
dispersnykh Aerozoley, 1961, pp 1-267.
AIR/FTD/HF-23-1593-67

sci/chemistry
mar 69

376,616

Structure and Properties of Mixes of Sodium-
Butadiene Rubber with Furnace and Lamp Black,
by B. A. Dogadkin.

RUSSIAN, per, Issledovaniya Po Fiz. i Khim.
Kauchuka i Resiny, 1950, pp 120-133.

ASLIB-GB57

Sci
Aug 58

70,814

Electron Microscope Study of Sodium Buta-
diene Rubber and Smoked Sheet Mixes with
Channel Black, by B. A. Dogadkin.

RUSSIAN, per. Issled po Fiz i Khim, Kauchka i
Resiny, 1950, pp 134-142.

ASLID-0557

Sci

Aug 58

71,398

91 NOV

Visco-Plastic Flows of Glaciers and the Laws
of Ice Deformation, by S. S. Vyalov.

RUSSIAN, ^{like} ~~per~~, Issledovaniya po Fiz i Mekhaniki
i Merzlykh Gruntov, 1961, pp 137-155.

*Army Coal Regions
Research & Engineering Lab
Hanover, New Hampshire

Oct 62
Sci - Geophysics

avail. OTS

Investigation of the Hydrothermal Processes
of the Earth's Crust, by S. I. Subbotin,
180 pp.

RUSSIAN, bk, Issledovaniya Fizicheskikh
Parametrov Veshchestva Zemnoy Kory, No 9
(11) 1964.

JPRS 32047

USSR
Sci-ES/A
Sept 65

289,557

Investigations of the Physical Properties
of Rocks at High Pressures and Temperatures,
by M. P. Volarovich, 18 pp.
RUSSIAN, per, Issledovaniya Fizicheskikh
Parametrov Veshchestva Zemnoy Kory,
No. 9(11), 1964, pp. 3-13.
JPRS 32620

USSR
Sci-ES/A
Nov 65

291,235

Character of the Temperature Change with
Depth in the Upper Layers of the Earth's
Crust, by R. I. Kutas, 6 pp.
RUSSIAN, per, Issledovaniya Fizicheskikh
Parametrov Veshchestva Zemnoy Kory, No 9(11)
1964, pp. 114-117.
JPRS 32618

USSR
Sci-ES/A
Nov 65

291,110

Investigations of the Main Magnetic Field
and Paleomagnetism in the USSR, by Z. A.
Krutikhovskaya and N. P. Mikhaylova, 9 pp.
RUSSIAN, per, Issledovaniya Fizicheskikh
Parametrov Veshchestva Zemnoy Kory, No 9(11)
1964, pp. 118-123.
JPRS 32619

USSR
Sci-ES/A
Nov 65

291,098

Correlator Using Linear Filters, by E. M.
Sukharov, V. G. Repin, 15 p.

RUSSIAN, mono, Issled po Fiz i Radio-tekhn, 1958,
Moscow, pp 47-58.

SLA 59-12476

Sci
Dec 59
Vol 2, No 6

103970

BD-537

Vladimir Dmitriyevich Kuznetsov, Corresponding
Member of Academy of Sciences USSR (70th Birthday), 6 pp

RUSSIAN, monograph, Issledovaniya po Fizike Tverdogo
Tela, 1957, pp 5-9.

US JPRS L-1648-D

USSR
Biographic
Dec 58

62-17270

Savitskii, K. V.
AN INVESTIGATION OF THE DISTRIBUTION OF PER-
MANENT DEFORMATIONS UNDER FRICTION SUR-
FACES. [1962] 7p.
Order from ATS \$13.60 ATS-06P59R

Trans. of mono. Issledovaniya Fiz[iki] Tverdogo Tela,
n. p., 19: 7, p. 107-114.

DESCRIPTORS: *Friction, Surface properties, *De-
formation, Distribution.

(Mechanics, TT, v. 9, no. 1)

I. Savitskii, K. V.
II. ATS-06P59R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Investigations of the Physical Conditions of the
Moon and Planets, by N. P. Barabashev, 30 pp.

MEISTAR, bk. Issledovaniye Fizicheskikh Uslovii na
Lunye i Planetyakh, 1952. 9088795

RAND RL-3194-JPL

Sci. & Astron.
Jul. 62

204,850

Measurement of Radio-Wave Absorption at
Loparskaya, by N. A. Svetasheva, 7 pp.
RUSSIAN, rpt, Issledovaniye Geofizicheskikh
Yavleniy Elektromagnitnogo Kompleksa v Vyso-
kikh Shiroтах, 1964, pp. 54-59.
JPRS 30446

USSR
Sci-ES/A
Jun 65

231,436

Genetics of the Behavior (Nervous Activity)
of Animals -- Materials on the Analysis of
Inheritance of the Excitability of Motor
Nerve Fibers, by G. D. Golovachev, 7 pp.
RUSSIAN, per, Issledovaniya po genetike
(Research on Genetics), No 2, 1964, pp 3-7.
JPRS 31514

Sci - B/M
Aug 65

286,765

Studies on the Inheritance of Properties of
Higher Nervous Activity in Interspecific and
Interbreed Reciprocal Crosses, by V. V. Pon-
omarevko, V. G. Marshin, and M. Ye. Loba-
shev, 21 pp.
RUSSIAN, per, Issledovaniya po genetike,
(Research on Genetics), No 2, 1964, pp 8-20.
JPRS 31514

Sci - B/H

Aug 65

286,766

Induced Mutation Process -- the Effect of
High Temperature after Irradiation on the
Frequency of Occurrence of Lethal Mutations
and Chromosomal Breaks, by K. V. Vatty and
I. M. Janoosh, 15 pp.
RUSSIAN, per, Issledovaniya po genetike
(Research on Genetics), No 2, 1964, pp 46-55.
JPRS 31514

Sci- B/M
Aug 65

286,767

Non-Divergence of Chromosomes Under the Influence of X-Rays of Varied Hardness and Intensity, by M. M. Tikhomirova, 15 pp.
RUSSIAN, per, Issledovaniya po genetike
(Research on Genetics), No 2, 1964, pp 56-64.
JPRS 31514

Sci- B/M
Aug 65

286,768

A Comparative Study of the Result of Radiation After-Effects on Chromosomal Non-Divergence, by M. M. Tikhonirova and S. Ye. Dubrova, 6 pp.
RUSSIAN, per, Issledovaniya po genetike,
No 2, 1964, pp 65-68.
JPRS 31514

Sci - B/M
Aug 65

286,769

A Comparative Study of the Mitagenic Action
of Different Types of Radiation and Ethyl-
eneimine on the Alga Chlorella, by V. I.
Khropova, and K. V. Kvitko, 12 pp.
RUSSIAN, per, Issledovaniya po genetike ,
No 2, 1964, pp 69-76.
JPRS 31514

Sci - B/M
Aug 65

286,770

Comparison of the Specificity of the Action
of Ultra-Violet Rays and X-rays on the
Mutability of Yeast, by S. G. Inge-Vechto-
nov and S. A. Kozhin, 15 pp.
RUSSIAN, per, Issledovaniya po genetike, No 2,
1964, pp 77-85.
JPRS 31514

Sci - B/M
Aug 65

286,771

The Significance of heterozygosity and Onto-
genetic Adaptions in the Retention of Typi-
cality in Clonal Varieties of Strawberries,
by T. S. Fadeyeva,
RUSSIAN, per, Issledovaniya po Genetike
Leningrad Univer., Vol II, 1964, pp 111-120.
NLL RTS 5486
(On Loan or Purchase)

Sci-B&M
Apr 67

324,068.

The Development of Male and Female Gameto-
phytes of *Arabidopsis Thaliana* (L) Heyn,
by T. F. Polyakova, 13 pp.
RUSSIAN, par, Issledovaniya po genetike, No 2,
1964, pp 125-133.
JPRS 31514

Sci - B/M
Aug 65

286,772

Ascospore Isolation of Yeast for Genetic
Analysis Without a Micromanipulator, by
I. A. Zakharov and S. G. Inge-Vechtomov,

8 pp.

RUSSIAN, per, Issledovaniya po genetike,
No 2, 1964, pp 134-139.

APRS 81514

Sci - B/M
Aug 65

286,773

Interallelic Complementation at Locus ad_2 in
Yeasts *Saccharomyces Cerevisiae*, by I. R. Soidla,
S. G. Inge-Vechtomov, 31 pp.
RUSSIAN, per, Issled Genet, No 3, 1967
AEC-ORNL-Tr-1977 P 911276168-V

Sci/B&M
Dec 68

354,930

THE CONSTANT GEOMAGNETIC FIELD AND MODERN OBJECTIVES
IN STUDYING IT, BY V. I. POCHTAREV, I. N. PUDOVKIN,
ET AL, 12 PP.

RUSSIAN, ~~See~~, ISSLEDOVANIYA PO GEOMAGNETIZMU, ^{Annals} 1963,
PP 3-10.

JPRS 21073

EARTH SCI
SEP 63

343,870

CURRENT STATUS OF RESEARCH ON THE CONSTANT GEOMAGNETIC
FIELD IN SOVIET UNION, BY V. I. POCHTAREV, I. N.
PUDEVKIN, ET AL, 11 PP.

RUSSIAN, ⁶⁴ ~~FILE~~, ^{Autonomous} ISSLEDOVANIYA PO GEOMAGNETIZMU, 1963,
PP 11-16.

JPRS 21073

EARTH SCI
SEP 63

343,671

THE STRUCTURE AND NATURE OF THE ANNUAL VARIATION OF
MAGNETIC ACTIVITY, BY V. M. MISHIN, 53 PP.

RUSSIAN, ¹⁹⁶³ISSLEDOVANIYA PO GEOMAGNETIZMU I AERO-
NOMII, 1963, PP 31-52.

JPRS 21073

EARTH SCI

SEP 63

343,872

Investigations in the ...
by V. A. Troitskaya, O. M. Barsukov, 12 pp.
RUSSIAN, per, Issled po Geomagnetizmy i Aeronomii,
1963, pp 53-59. 9695819
FTD-TT-64-640

JPRS 61021

Sci - Earth Sci & Astron
Feb 65

274,128

Regular Variations in Electron Content
in the Lower Part of the F₂ Layer of
the Ionosphere in the Middle Latitudes, by
L. A. Shchapkin.

RUSSIAN, bk, Issledovaniya po Geomagnetizmu
i Aeronomii, Moscow, 1963, pp 66-74.

*FID-MT-65-489

Sci - Earth Sci & Astron
Oct 65

DETERMINATION OF THE VELOCITIES AND DIRECTIONS OF
TRAVELING DISTURBANCES IN THE F2 LAYER ACCORDING TO
THE DATA OF CERTAIN IONOSPHERIC STATIONS, BY N. YA.
NAYDENOVA, 8 PP.

RUSSIAN, ¹¹PER, ISSLEDOVANIYA PO GEOMAGNETIZMU I AERONOM-
II, 1963, PP 77-81.

JPRS 21073

EARTH SCI
SEP 63

343,874

EXPERIENCE IN WORKING AT AN IONOSPHERIC PANORAMIC
STATION DURING THE INTERNATIONAL GEOPHYSICAL YEAR,
BY I. P. POPOV, L. A. DOLBEZHEV, 5 PP.

RUSSIAN, ^{full}ISSLEDOVANIYA PO GEOMAGNETIZMU I AERONOMII
, 1963, PP 82-84.

JPRS 21073

EARTH SCI
SEP 63

343,875

CERTAIN QUESTIONS REGARDING THE AUTOMATIC PROCESSING
OF RESULTS OF PANORAMIC VERTICAL SOUNDING, BY A. I.
GALKIN, 15 PP.

64
RUSSIAN, ~~PER~~, ISSLEDOVANIYA PO GEOMAGNETIZMU I AERO-
NOMII, 1963, PP 85-90.

JPRS 21073

EARTH SCI
SEP 63

343,876

CONCERNING CERTAIN STATISTICAL METHODS OF RESEARCH ON
VARIATIONS IN THE EARTH'S ELETROMAGNETIC FIELD, BY
N. K. OSIPOV, 8 PP.

RUSSIAN, ⁶⁴ISSLEDOVANIYA PO GEOMAGNETIZMU I AEO-
RNOMII, 1963, PP 110-114.

JPRS 21073

EARTH SCI
SEP 63

343,877

Determination of the Free Vibrations
Frequencies of a Cylindrical Shell of Elliptical
Cross-Section, by E. I. Ivanyuta, R. M. Finkel' -
shtein, 6pp
RUSSIAN, per, Issled po Uprug i Plastichn,
1961, No 1, pp 46-51
SIA TT-64-16172

Sci - Mech
June 67

327,518

Investigation of a Hydraulic System Having a
Body Moving Within it, by P. I. Bugakov, T. A.
Gruzinova, R. R. Ionaitis, 28 pp.

RUSSIAN, bk, Issledovanie Gidravlicheskoy Sistemy
s Dvizhushchimsya v Ney Telom, 1960. 2094424

ARC Tr-4675

176,826

Sci - Engr
Dec 61

Investigation of Hydrodynamic Characteristics of
Screw Propellers Under Conditions of Reversing
and Calculation Methods for Backing of Ships,
by I. Ya. Miniovich, 64 pp.

RUSSIAN, monograph, Issledovaniya Gidrodinamicheskikh Kharakteristik Grebnykh Vintov na Rezhimakh Reversa i Metodika Rascheta Reversa Korabliya, Chaps 1-4, No 122, 1958.

SLA 60-17398

129,423

Sci
OTS, Vol IV, No 3
Sep 60

Investigations in Industrial Hygiene and Occupational Pathology, Edited by Prof. Ye. Te. Andreyeva-Galanina, 140 pp.
RUSSIAN, bk, Issledovaniya Po Gigiyene Truda I Professional'noy Patologii, Vol 75, 1963, pp 7-19, 20-24, 25-32, 33-39, 40-50, 51-56, 62-68, 74-80, 81-84, 85-90, 94, 101, 102-110, 111-118, 132-137, 138-143, 231-240, 241-249, 250-251.
JPRS 28721

USSR
Sci-Bio & Med Sci
Feb 65

275,147

Scherbak, O. V.
A NEW METHOD FOR THE ELECTROCHEMICAL
SEPARATION OF MINERALS, ed. by Ye. V.
Rozhkovoy. [1961] [14]p. [DSIR LLU] Warren Spring
Lab. NT745; M2034.
Order from LC or SLA mi\$2.40, ph\$3.30 61-13395

Trans. of mono. Issledovaniya Gorn'kh Porod, Rud i
Mineralov, pub. by Min. Geol. Otkrannyi Nedr. SSSR,
1957, p. 103-114.

This paper reveals the possibility of using the electrical conductivity of minerals for their electrochemical separation in the laboratory. (Author)

(Chemistry--Physical, TT, v. 5, no. 12)

61-13395

1. Minerals--Separation
 2. Electrical conductance--
Measurement
 3. Minerals--Electrical
properties
 4. Electrochemistry
- I. Scherbak, O. V.
II. Rozhkovoy, Ye. V., ed.
III. DSIR NT-745
IV. DSIR LLU M. 2034
V. Department of Scientific
and Industrial Research

10058

Office of Technical Services

The Study of the Gravity Field of Siberia, by
B. I. Shneyerson.

RUSSIAN, bk, Issledovaniye Gravitatsionnogo Polya
Sibiri.

ACIC

Sci - Earth Sci & Astron
Jan 64

246,177

The Night Layer E According to Observations
at the Observatory on Dixon Island, by
Ya. I. Fel'dshteyn, 8 pp.

RUSSIAN, bk, Issledovaniya v Ionosfere,
IGY Program, Section V, No 3, 1959,
pp 34-39.

NASA TT F-83

Sci - Phys

187, 781

3 Apr 62

Results of Investigations of Ionospheric Irregularities
and Their Drifts, Obtained at Soviet Stations During
the IGY, by L. V. Grishkevich, V. D. Gusev, Yu. V.
Kushnarevskiy, 16 pp.

Issledovaniya Ionosfery i Meteorov,
RUSSIAN, per, ~~Isdatel Ak Nauk SSSR~~, 1960.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys
May 61

150,465

Possible Mechanisms of the Connection Between the
Synoptics of the Ionosphere and the Troposphere, by
V. N. Kessenikh, 9 pp.

Izvestiya Ionosfery i Meteor
RUSSIAN, per, ~~Izdatel' Ak. Nauk SSSR~~, 1960.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys
May 61

150,466

Certain Questions of the Statistical Irregularity
of the Ionosphere, by Ya. L. Al'pert, 8 pp.
Issledovaniya Ionosfer; Meteorov.
RUSSIAN, per, ~~Indel-Al-Bank~~ 8068, 1960.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys
May 61

150,470

The Formation of Ionospheric Irregularities, by B. N.
Gershman, V. L. Ginzburg, 8 pp.
Issledovaniya Ionosfery: Meteorov
RUSSIAN, per, ~~Izdatel Ak Nauk USSR~~, 1960.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys
May 61

150,471

61-19224

Al'pert, Ya. L., Mirkotan, S. P., and Fedynskiy, V. V., eds.
INVESTIGATION OF THE IONOSPHERE AND METEORS, tr. by Charles E. Townsend and Burton J. Hobson. [1961] [44]p. 53 refs. AmMetSoc-T-RC-194
 Order from LC or SLA ml\$3.30, pl\$7.80 61-19224

Trans. of mono. *Issledovaniya Ionosfery i Meteorov*, Moscow, 1960, p. 7-39.

Contents:

Certain questions of the statistical irregularity of the ionosphere, by Ya. L. Al'pert
 The formation of ionospheric irregularities, by B. N. Gerasimov and V. L. Ginzburg
 Results of investigations of ionospheric irregularities and their drifts, obtained at Soviet stations during the IGY, by L. V. Grikhkevich and others
 Possible mechanisms of the connection between the synoptics of the ionosphere and the troposphere, by V. N. Kessalikh
 (Earth Sciences--Atmosphere, TT, v. 5, no. 9)

1. Ionosphere--Analysis
2. Meteors--Analysis
- I. Al'pert, Ya. L.
- II. Mirkotan, S. P.
- III. Fedynskiy, V. V.
- IV. AmMetSoc-T-RC-19
- V. American Meteorological Society, Boston, Mass.
- VI. Contract AF 19(604)6113

152082

Office of Technical Services

Investigation of the Distribution of Ioniza-
tion With the Height, by B. S. Shapiro,
13 pp.

RUSSIAN, *Izvestiya Ionosfery*, NII Program
Part V, No 3, 1960, *pp 1-12*.

JPRS 10930

Sci - Geophys
Dec 61

175, 570

11-00007
Some Peculiarities of the Geographical Distribution of the Maximum Electron Concentration in the F2 Layer Over the Urals, Siberia, the Northern ~~FREE~~ Caucasus, and Central Asia (1957-1958), by V. N. Kessenikh, 5 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960, *pp 18-21*

JPRS 10930

115,571
Sci - Geophys
Dec 61

(10-6685)

Correlations of foF2 With the Indices
of Solar Activity, by T. S. Nerblay,
Ye. M. Kovalovskaya, 6 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, a Part V, No 3, 1960, pp 22-26

JPRS 10930

Sci - Geofiz
Dec 61

175,572

The Night Layer E According to Observations at
the Observatory on Dixon Island, by
Ya. I. Fel'dshteyn.

RUSSIAN, bk, Issledovaniye Ionosfer, Vol V,
No 3, 1960, pp 34-39.

NASA TF P-83

Sci - Phys

15 Jun 62

201, 196

(NY-6685)

Irregular Phenomena in the F Region
According to ~~DEE~~ Observations at the Dixon
Island Observatory, by N. S. Pankratova,
15 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960, pp 40-50.

JPRS 10493

Sci - Geophys
Dec 61

175, 573

(100-65860)

Some Patterns of the Lower Ionosphere at
Dixon Island, by Ye. P. Cherenkova, 14 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960, pp 5-1-5-9.

JPRS 10930

Sci - Geophys
Dec 61.

175, 574

(NY-6666)

The Use of Single Reflections to Evaluate
Absorption in the Ionosphere According to
Observations at Dixon Island, by G. N.
Gorbushina, 8 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960,
pp 60-65.

JPRS 10930

175,575

Sci - Geophye
Dec 61

(NY-6686)

Nondeviating Absorption of Radio Waves
in the Auroral Zone, by O. N. Struin,
Ya. I. Pol'dashteyn, 15 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960,
pp 66-76.

JPRS 10930

175,576

Sci - Geophys
Dec 61

(NY-6586)

Certain Anomalies in the Investigation of
Ionospheric Drifts, by V. D. Gusev,
S. F. Mirkotan, 8 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960,
pp 77-82. ¹

Amir M. J. L. T-R-32
JPRS 10930

Sci - Geoph^{ys}
Dec 61

175,577

LTS 61-27214

(NY-6000)

The Problem of the Distribution of the
M3000 Coefficient, by Z. Ts. Repoport,
9 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960,
pp 83-89.

JPRS 10930

175,578

Sci - Geophys
Dec 61

(NY-6686)

Some Results of an Investigation of the
Intensity of Atmospheric Radio Noise in
Moscow, by Ya. I. Likhter, G. I.
Terina, 7 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960,
pp 90-94.

JPRS 10930

175,579

Sci - Geophys
Dec 61

(NY-6686)

A Possible Method of Determining the Effective Coefficients of Recombination and the Rate of Ionization in the Ionosphere, by Ya. S. Rodionov, 6 pp.

RUSSIAN, bk, Issledovaniya Ionosfery,
IGY Program, Part V, No 3, 1960,
pp 95-97.

JPRS 10930

175,580

Sci - Geophys
Dec 61

Effect of the Vertical Inhomogeneity of the
Earth's Magnetic Field on the High Frequency
Characteristics of the Ionosphere, by V. N.
Kassonikh.

RUSSIAN, bk, Issledovaniya Ionosfer, IGY Program,
Section V, No 6, 1961, pp 7-8.

NASA TT F-8216

Sci - Geophys
Jan 63
US GOV'T USE ONLY

219,878

Peculiarities of Ion Formation in the F-Region of
the Ionosphere and Anomalies of the Composite
F-Layer, by L. A. Shchapkin.

RUSSIAN, bk. Issledovaniya Ionosfery, IGY
Program, Section VI, No 6, 1961, pp 9-16.

NASA TF 1-8217

Sci
Jan 63
US GOV't USE ONLY

219,854

Effect of X-Ray Radiation Originating in a Flare
on the D-Region of the Ionosphere, by Yu. I.
Neshpor.

RUSSIAN, bk, Issledovaniya Ionosfery, IGY Program,
Section V, No 10, 1962, pp 27-33.

NASA TT F-3802

Sci
Apr 63
US GOV'T ONLY

227,215

Visual Observations of Meteors in Simferopol, by
I. T. Koskin, V. V. Martynenko; 9 pp.

RUSSIAN, in, Issledovaniya Ionosfery (Meteorology),
No 8, Rezul'taty Issledov, po Ekspozitsii Mirodunarod,
Geofiz, Gos. Izdat. Akad Nauk SSSR, 1962,
pp 97-101.

NAVY Tr 3220/ENL 905

Sc1 - Geophysics

Exp 62

2/1, 286